

**IAP9 Rec'd PCT/PTO 22 SEP 2006** 10/590241  
Approved for use through 04/07  
U.S. Patent and Trademark Office: U.S. DEPA

PTO/SB/08a (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	Not Yet Assigned
		Filing Date	August 22, 2006
		First Named Inventor	Gottfried Lehmann
		Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
Sheet	1	of	2
		Attorney Docket Number	2004P00789WOUS

## **U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**10/590241**  
**IAP9 Rec'd PCT/PTO 22 AUG 2006**

PTO/SB/08b(05-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet

2 of 2

**Complete if Known**

Application Number	Not Yet Assigned
Filing Date	August 22, 2006
First Named Inventor	Gottfried Lehmann
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned

Attorney Docket Number 2004P00789WOUS

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	3	TAKASHI MORI and HITOSHI KAWAGUCHI, "All-optical switching of 160 Gbit/s OTDM signal using FWM in SOA for wavelength routing", Lasers and Electro-Optics, Conference on San Francisco, CA, USA, May 20-21, 2004, Pages 902-903, Vol. 2, 30, XP010744929, Piscataway, NJ, USA.	
	4	COLJA SCHUBERT, JÖRN BERGER, STEFAN DIEZ, HANS JÜRGEN EHRKE, REINHOLD LUDWIG, UWE FEISTE, CARSTEN SCHMIDT, HANS G. WEBER, GUEORGUI TOPTCHIYSKI, SEBASTIAN RANDEL, and KLAUS PETERMANN, "Comparison of Interferometric All-Optical Switches for Demultiplexing Applications in High-Speed OTDM Systems", Journal of Lightwave Technology, IEEE, April 2002, Pages 618-624, Vol. 20, No. 4, XP001130020, ISSN 0733-8724, New York, USA.	
	5	LAVANYA RAU, SURESH RANGARAJAN, WEI WANG and DANIEL J. BLUMENTHAL, "All-optical add-drop of an OTDM channel using an ultra-fast fiber based wavelength converter", Optical Fiber Communication Conference and Exhibit, Technical Digest, Postconference Digest, Anaheim, CA, March 17-22, 2002, Pages 259-261, XP010617768, ISBN: 1-55752-701-6, Vol. TOPS 70, Trends in Optics and Photonics, Washington DC, USA.	
	6	DAVID COTTER, JULIAN K. LUCEK and DOMINIQUE D. MARCENAC, "Ultra-High-Bit-Rate Networking: From the Transcontinental Backbone to the Desktop", IEEE Communications Magazine, April 1997, Pages 90-95, Vol. 35, No. 4, XP000693609, ISSN: 0163-6804, IEEE Service Center, Piscataway, NJ, USA.	
	7	TAKAO MATSUMOTO, MASAHIKO JINNO, KAZUO KIMURA and KAZUHIRO NOGUCHI, "Studies on Optical Digital Cross-Connect Systems for Very-High-Speed Optical Communications Networks", Communications, Supercomm/ICC 1994 Conference Record, 'Serving Humanity Through Communications', IEEE International Conference in New Orleans, LA, USA, May 1-5, 1994, Pages 1060-1065, XP010126727, ISBN: 0-7803-1825-0.	
	8	R.A. THOMPSON and P.P. GIORDANO, "An Experimental Photonic Time-Slot Interchanger Using Optical Fibers as Reentrant Delay-Line Memories", Journal of Lightwave Technology, January 1987, Pages 154-162, Vol. 5, No. 1.	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.